WUNSCH, J

WUMSCH, J.

WUMSCH, J. New equipment for measuring steam purity in high-pressure boilers. p. 315.

Vol. 6, no. 7, July 1956 ENERGETIKA TECHNOLOGY Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

WUNSCH, J.

The use of ferrous concrete widges in construction. p. 239. Vol. 19 No. 1/3, 1956. KOZLEMENEI. Budapest, Hungary.

SOURCE: East European List, (EEAL) Library of Congress Vol. 6, No. 1 January 1956.

WUMSCH, J.

Treatment of feed water for highpressure boilers in the second Five-Year Plan.

P. 284, (Strojoelektrotechnicky Casopis) Vol. 8, no. 5, 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

WUNSCH, J., inz.; KADLEC, V., inz.; BRODSKY, A., inz.

New method of removing oxygen from demineralized feed water and condensates in high-pressure electric power plants and heating plants. Energetika Cz 12 no.10:515-520 0 162.

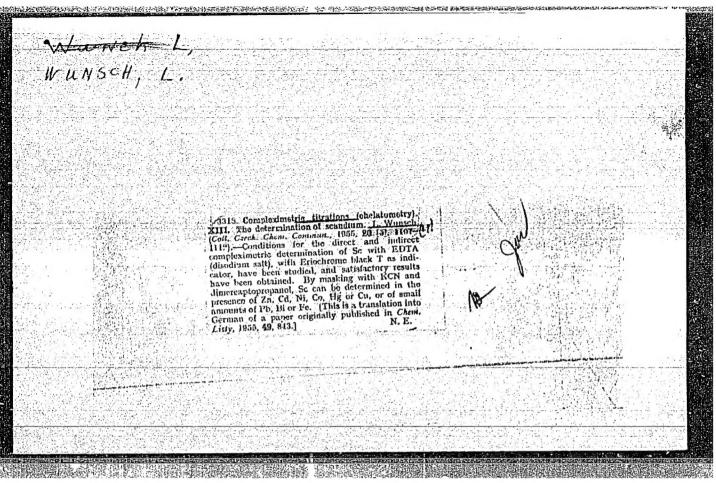
1. Ceskomoravska-Kolben-Danek Dukla, Praha.

WUNSCH, K.

Seismographic measurement of the effects of vibrations caused by the blasting of mud on the construction site of a dam across Templin Lake near Berlin.

P. 331. (ZELEZNICNI TECHNIKA.) (Praha, Czechoslovakia) Vol. 5, No. 12, Dec. 1957

SO: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, 1958



WUNSCH, L.

CZECHOSLOVAKIA/ Analytical Chemistry. General Problems. G-1

Abs Jour: Referat. Zhur.-Khimiya, No. 8, 1957, 27108.

Author : L. Wunsch.

: Complexometric Titration in Industrial Practice. Title

Orig Pub: Chem. prumysl, 1956, 6, No. 11, 456 - 459.

Abstract: Review. Bibliography with 31 titles.

Card 1/1

WUNSCH, L.

Application of ion exchangers in analytic inorganic chemistry.

P. 21, (Chemie, Vol. 9, no. 1, Apr. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EFAI) LC. Vol. 7, no. 2, February 1958

CIA-RDP86-00513R001961730006-8

Wunsch, Ludek

CZECHOSLOVAKIA/Analytic Chemistry - General Topics.

Abs Jour

: Ref Zhur - Khimiya, No 10, 1958, 32143

Author

Ludek Wünsch

Inst Title Combined Application of Complexometry (Chelatometry)

and Ion Exchange Resins.

Crig Pub

Chem. listy, 1957, 51, No 2, 376-378; Sb. chekhosl. khim. rabot, 1957, 22, No 4, 1339-1341

Abstract

The selective separation of cations by their elution from a chromatographic column with complex producing reagents is very effective, but an analytic treatment of very dilute eluates is difficult. The new method consists in a selective elution of cations with titrated solutions of ethylene-diaminetetracetic acid or Hunt's reagent sometimes combined with other complex forming reagents and in a reversed titration of the cluate by ordinary complexometric methods. A high selectivity in

Card 1/2

CZECHOSLOVAKIA/Analytic Chemistry - General Topics.

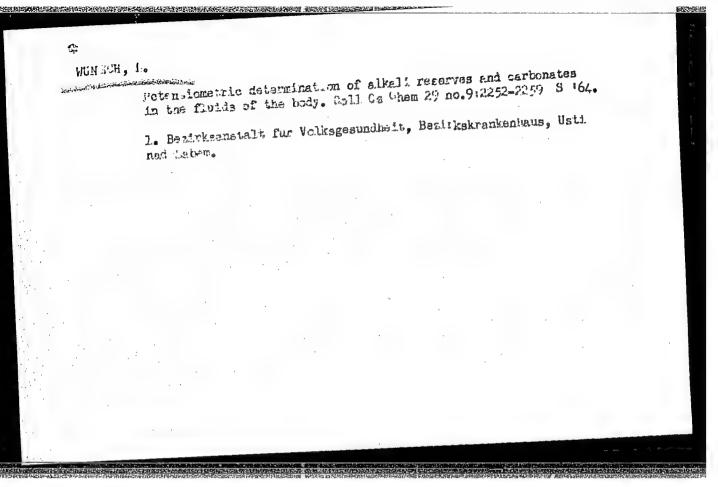
E-1

Abs Jour : Ref Zhur - Khimiya, No 10, 1958, 32143

respect of a determined cations or a cation group can be attained by using a corresponding eluent. The separation of Ca from Mg is presented as an example. At the separation of more complicated cation mixtures, the selective elution with complexones of different pH, or the cation elution with selective complex forming reagents is applied. The complex forming reagents are for example: triethanolamine (separation of Sc and Al), malic acid (separation of Sc from Ca, Mg, Ba, Sr and other cations), tiron (separation of Fe, Ti and Al from Ca and Mg) and cyanide.

Card 2/2

10



WUNSCH, Ludek

Contribution to colorimetric micro-determination of iron in the blood plasma with the aid of (); c() - bipyridine. Cas.lek. cesk. 99 no.45:1416-1419 4 N *160.

1. Ustredni laborator KUNZ, Usti nad Labem, prednosta MUDr.
Z. Kulenda.

(PYRIDINES pharmacol)

(IRON blood)

KORANYI, Gyorgy, dr.; WUNSCH, Walter, Dr. ing.; OECHELHAUSER, Kurt;
PUTNOKY, Janos; SOMHEGII, Faroly; SZUMAN, Witold; VAIX, Ferenc, dr.;
DOBO, Laszlo; NAGY BIRO, Sandor; VIDA, Miklos; TOBAK, Lajos;
MAKOIDI, Mihaly; NASZALYI, Laszlo; HUNEK, Emil

Technical and economic questions relating to gas utilization. Ipari energia 3 no.1/229-14 Ja-F 162.

1. Fovarosi Gazmuvek muszaki igazgatoja (for Valy).

CZECHOSLOVAKIA

2. Winsch, Psychiatry Clinic of Faculty of General Medicine of Charles University (Psychiatricka klinika fakulty vseobecneho lekarstvi Karlovy university) Prague.

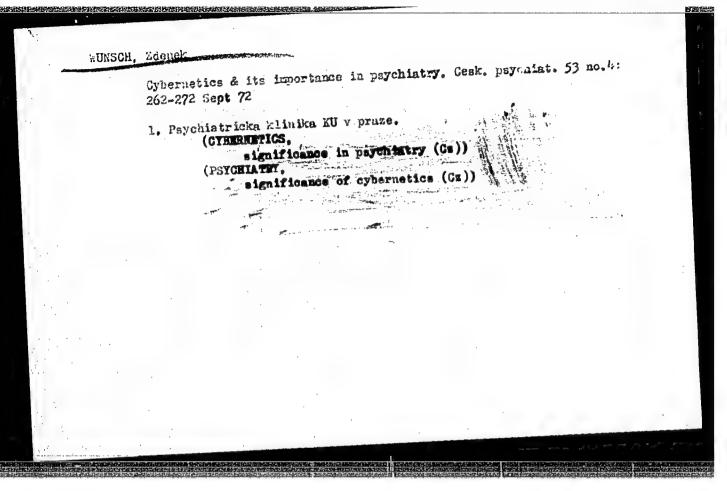
"Some Models in Psychiatry."

Prague, Geskoslovenska Psychiatrie, Vol 55, No 6, 1962; pp 371-375.

Abstract: Experimental models already implicitly contain built-in hypotheses, and can thus never be entirely objective. Their suitability depends on the closeness of the correspondence between the real situation and the hypothetical base of the model. Gybernotics and their applications are discussed in some detail from an abstract point of view. One Soviet and I Garman reference.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001961730006-8



WUNSCH, Zdenek

Construction of a miniature electroshock apparatus. Cesk. psychiat. 54 no.3: 192-195 June 58.

1. Psychiatricka klinika EU v Praze.

(SHOCK THERAPY, ZINCTRIC, apparatus & instruments miniature appar., construction (Cs))

ACC NR: AP6030189 SOURCE CODE: CZ/0088/65/000/005/0461/0470 AUTHOR: Wunsch, Zdenek (Doctor) ORG: Psychiatric Research Laboratory, FVL, UK, Prague (Vyzkumna laborator) SOURCE: Remarks on the conception of biological autoorganization SOURCE: Kybernetika, no. 5, 1965, 461-470 TOPIC TAGS: cybernetics, central nervous system, neuron The method of the natural origin of complex cybernetical systems may be denoted as biological autoorganization (AO). Plex cybernetical systems may be denoted as biological autoorganization (AO). Plex cybernetical systems may be denoted as biological autoorganization (AO). Plex cybernetical systems may be denoted as biological autoorganization (AO). Plex cybernetical systems may be denoted as processed as the autoregulation characteristics of biological AO, which may be conceived as the autoregulation characteristics of the resulting some changing properties. It is therefore expedient to realize biological AO as processes of reproductive transformations of elements, eventually of different levels of complexity. The information necessary for the selection and autoregulation of structures (i.e., nemental properties in a given environment) may be substantially smaller than mental properties in a given environment) may be substantially smaller than the information necessary to represent the resulting organization. Therefore, the information necessary to represent the resulting organization. Therefore, an important problem is the significance of the properties of the system's ele-		
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SOURCE: Kybernetika, no. 5, 1965, 461-470 TOPIC TAGS: cybernetics, central nervous system, neuron The method of the natural origin of complex cybernetical systems may be denoted as biological autoorganization (AO). Plex cybernetical systems may be denoted as biological autoorganization (AO). From the present knowledge of biology it is possible to derive certain general characteristics of biological AO, which may be conceived as the autoregulation of structures formed by elements having some changing properties. It is therefore expedient to realize biological AO as processes of reproductive transformations of elements, eventually of different levels of complexity. The information necessary for the selection and autoregulation of structures (i.e., nemention necessary for the selection and autoregulation from elements having some fundacessary to realize the resulting organization from elements having some fundamental properties in a given environment) may be substantially smaller than the information necessary to represent the resulting organization. Therefore, an important problem is the significance of the properties of the system's elements important problem is the significance of the properties of the system's elements.	AUTHOR: Wunsch, Zdenek (Doctor)	
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The method of the natural origin of complex cybernetical systems may be denoted as biological autoorganization (AO). Plex cybernetical systems may be denoted as biological autoorganization (AO). From the present knowledge of biology it is possible to derive certain general characteristics of biological AO, which may be conceived as the autoregulation characteristics of biological AO, which may be conceived as the autoregulation of structures formed by elements having some changing properties. It is therefore expedient to realize biological AO as processes of reproductive transformations of elements, eventually of different levels of complexity. The information necessary for the selection and autoregulation of structures (i.e., nemetal properties in a given environment) may be substantially smaller than mental properties in a given environment) may be substantially smaller than the information necessary to represent the resulting organization. Therefore, the information necessary to represent the resulting organization of the system's elements important problem is the significance of the properties of the system's elements important problem is the significance of the properties of the system's elements important problem is the significance of the properties of the system's elements important problem is the significance of the properties of the system's elements.		
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ental models. Based on aut	rvous system) and IIIV 34,1627 nor's Eng. abst. JARS: 34,1627	07/L	
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WHNSCHE, E.

Fower factor commensation in electric and furnaces. Elektrotechnik
19 no. 6:163-164. Je 164.

1. Ceskomoravsku-Kolben-Danck Fraha Matienal Enterprise, Fragua.

REZKOVA-MOURALOVA, H., MUDr.; WUNSCHOVA, B., MUDr.

Improvement in medical care for mentally ill. Cesk. zdravot. 6 no.2:

81-84 Mar 58.

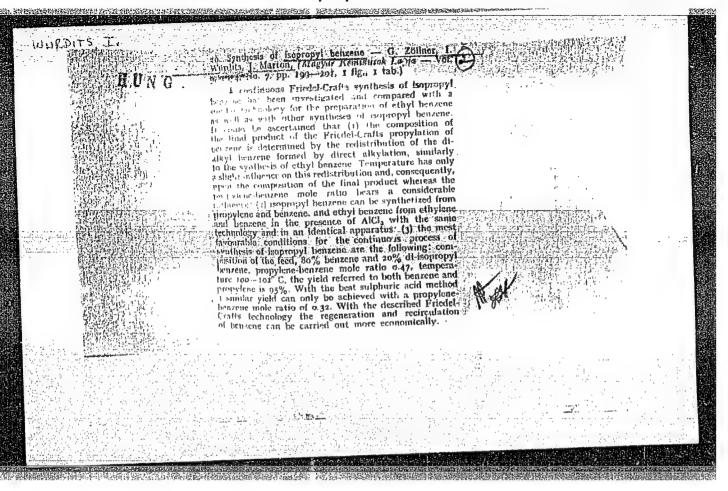
1. Ministerstvo zdravotnictvi - odbor lecebne preventivni pece.

(MENTAL DISORDERS, prev. & control
in Grech., improvement (Gr))

HAAS, L.; WINSCHOVA, B.; CHODUROVA, A.

Psychosocial concept of suicide and delinquency. Cesk. psych.
60 no.68375-382 N 164.

1. Psychiatricke oddeleni Ustav narodniho zdravi CNV v Praze 5 a 6.



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WURFEL, J. Heptogram in various stages of fetal life. Pat. polska 4 no.1:61-75 Jan-Mar 1953. 1. Of the Third Internal Clinic (Head--Prof. J. Aleksandrowicz, M. D.) of Krakow Medical Academy.

GACS, Janos, dr.; KEREKES, Erno, dr.; WURFER, Bela, dr.

On Wilson's disease (Hepatolenticular degeneration). Orv. hetil. 106 no.20:935-938 16 My'65.

1. Budapesti Orvostudomanyi Egyetem, III. Belklinika (igazgato: Gero, Sandor, dr.) es Orszagos Traumatologiai Intezet (igazgato: Szanto, Gyorgy, dr.).

WURM, Boleslav; CERNY, Zdenek, inz.; NOSEK, Bohuslav; FOLDINA, Josef; STURMA, Jan; ELIASEK, Jaroslav

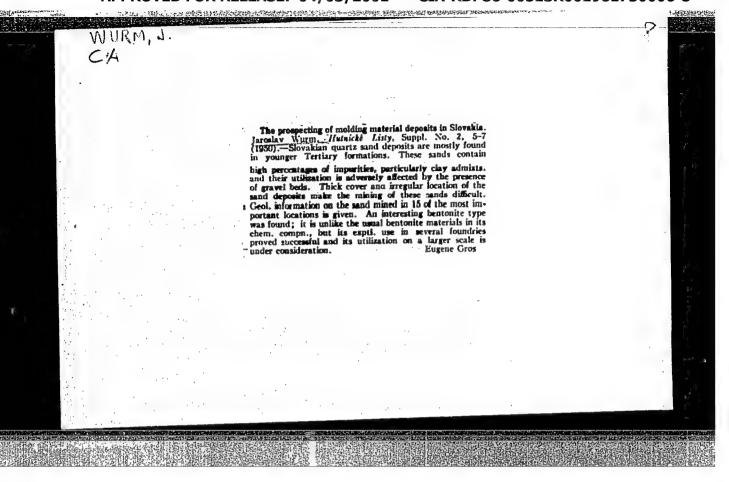
Socialist pledge of organizers. Podnik organizace 17 no.2:54-56 F 163.

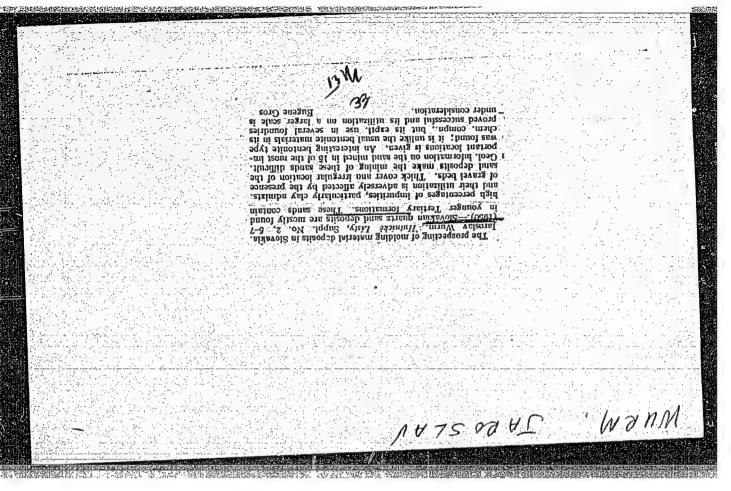
1. Ministerstvo vseobecneho strojirenstvi, organizacni stredisko 02 (for Wurm, Cerny and Nosek). 2. Tatra, n.p., Koprivnice (for Foldina). 3. Metalis, n.p., Nejdek (for Sturma). 4. Ceske zavody motocyklove, Strakonice (for Eliasek).

BRZOSKO, W.; NIZNIKOWSKA-MARKS, M. J.; WURM, Ch.

Endocardial fibroelastosis. Pediat. polska 31 no.4:373-388 Apr 56.

1. Z Kliniki Diagnostyki Chorob Dzieciecych w Warszawie Kierownik: prof. dr. med. Z. Lejmbach i z Zakladu Anatomii Patologicznej w Warszawie. Kierownik: prof. dr. med. L. Paszkiewicz Warszawa, Dzialdowska 1/3. (CARDIAC ENLARGMENT in infant and child, endocardial fibroelastosis (Pol))





Card 1/1

ASSOCIATION: ČKD Praha, zavod Sokolovo (ČKD Works Prague, Sokolovo Subsidiary)

TEXT:

This popular science article briefly lists an experimental helical-lobe air compressor, developed by the CKD Works Prague, Sokolovo Subsidiary. The compressor is based on the Lysholm rotary compressor, employs two counterrotating helical-lobes, and is suitable for compression of air and chemically similar gases. This compressor type as great variety of applications of reciprocating compressor type a great variety of applications. [Abstractor's note: No performance ratings of the compressor are given]. There are 7 ligures.

Věda a technika mladeži, no. 6, 1962, 202

PERIODICAL:

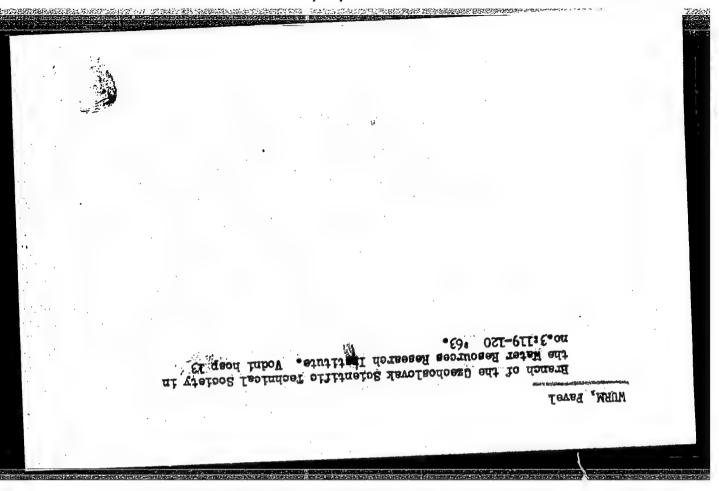
A modern compressor type

TILLE

Wurm, Jaroslav, Engineer

*HOHTUA

D291/D304 Z/048/62/000/006/002/002



"Fissural Cysts"

Frague, Ceskoslovenska Stomatologie, No 6, 1962, pp hh9-h52

Second stomstological clinic of the faculty for general medicine, Charles University), Prague; director: Prof Dr F. URBAN, CSc

no academic degree indicated

WURLOVA, L.

USSD

WURMOVA, L. MUDr, asistent

Treatment of oro-anthral communications. Cesk.stomat. no.4-5:
176-179 Jl '55.

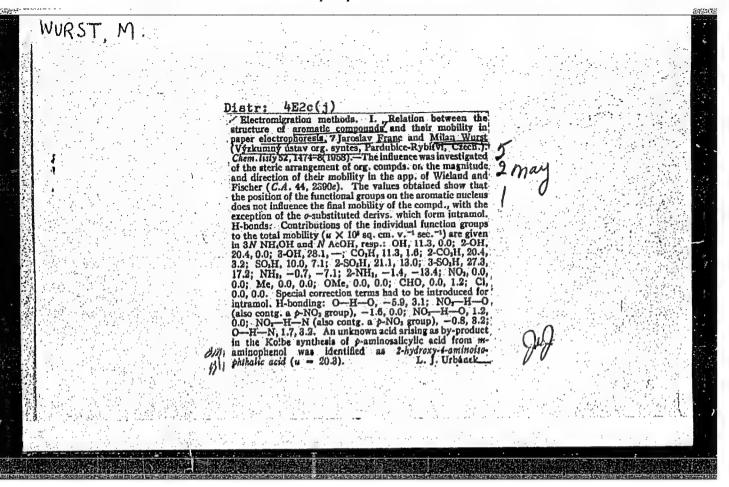
l. Z II. stomatol. kliniky, prednosta Dr. Neuwirt.

(MAXILIAMY SINUS, diseases.
ther., management of oro-anthral pesseges)

SOURCE: East European Accessions List., (EEAL), Library of Congress,

Economic results of the use of the assembly-line method of construction in Vol. 3, no. 7, July 1955.

.t .TERUW



GA AE AU II TI	THOR :	CZECHOSLOVAKIA Physical Chemistry. Surface Phenomena. Adsorption. Chromatography. Ion Exchange RZKhim., No. 1 1960, No. 635 Franc, J.; Wurst, M. Methods of Electromigration. I. Interrelation Between the Structure of Aromatic Substances and Their Mobility in Paper Electrophoresis Collect. Czechosl. Chem. Communs, 1959, 24, No 3, 857-861 No abstract. See RZhKhim., No 18, 1959, No 63879.
	CAPD:	1/1

FRANC, J.; WURST, M.

Electromigration methods. II. Relationship between the structure of anthraquinone derivatives and their mobility in paper electrophoresis. III. Mobility of some azodyes of I- and Y-acids. Coll Cz chem 25 no.3:657-667 Mr *60. (EEAI 9:12)

FRANC,	(Omgani	OI Bas circus	B	(EEAI 9:12)	ro- 5

FRANC, J.; WURST, M.

Chromatography of organic compounds. VII.Determination of aliphatic amines through gas chromatography. Coll Cz Chem 25 no.9:2290-2295 S 160. (EEAI 10:9)

1. Forschungsinstitut fur organische Synthesen, Pardubice-Rybitvi.

(Chromatography) (Organic compounds) (Amines)
(Aliphatic compounds)

8/081/62/000/006/039/117 B101/B110

AUTHORS:

Wurst, M., Dušek, R.

TITLE:

Analysis of organosilicon compounds. I. Gas-chromatographic determination of methyl phenyl ethoxy silanes

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 6, 1962, 151 - 152, abstract 6D215 (Collect. Czechosl. Chem. Communs, v. 26, no. 8, 1961, 2022 - 2027)

TEXT: To separate and to determine quantitatively the components of the mixture arising in the synthesis of methyl phenyl diethoxy silane by a method described earlier (Capucio, V., et al., Chimie et industrie (Paris), 1951, 32, 282) gas liquid chromatography was applied at 175 - 180°C (or at 240°C for higher boiling substances) in columns (145.0.5 cm) containing silicone elastomer on "Chromosorb" or kieselguhr (20:100) with a particle size of 0.02 - 0.04 cm, at a development rate of N₂ gas of 25 - 33 ml/min. Methyl triethoxy silane and C₆H₅Cl which cannot be separated on silicone are separated on 2,4,7-trinitrofluorenone under the Card 1/2

			SORE CONTRACTOR DEPORTS ON
Analysis of organosi	ilicon	S/081/62/000/006, B101/B110	039/117
described earlier (F	RZhKhim, 1961, 6D2 urnt, the arising	nd the working method have 29, 21D141). The gases H ₂ O is reduced to H ₂ which	ch is
detected on the basi	is of its thermal	conductivity. The relation substances in the ter Complete translation	e mentioned

CZECHOSLOVAKIA

WURST, M.

no academic degree indicated

Research Institute for Organic Syntheses (Forschungsinstitut fur organische Synthesen), Pardubice-Rybitvi. (Present address: Eastern Bohemian Chemical Works Synthesia (Vychodoceske chemicke zavody Synthesia), Lucebni Kolin works)

Prague, Collection of Czechoslovak Chemical Communications, vol 27, No 10, Oct 62, pp 2391-2397.

"Analysis of Organo-Silicon Compounds II. Separation and Definition of Vinyl-Ethoxysilane Using Gaschromatography"

Co-author:

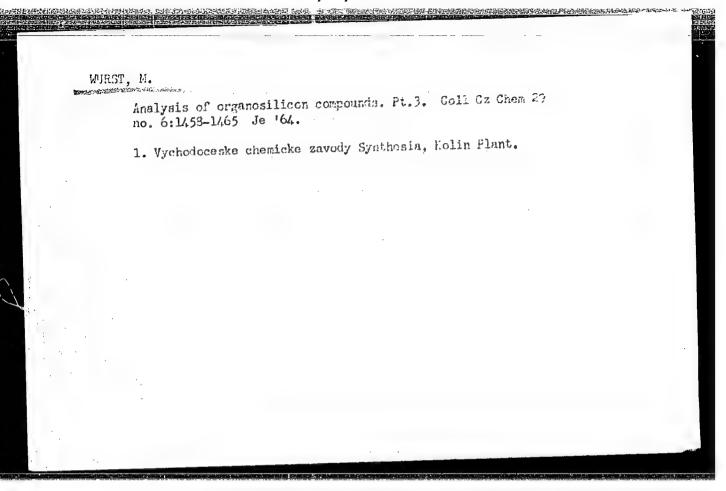
DUSEK, R. Research Institute for Organic Syntheses (Forachungsinstitut fur organische Synthesen), Pardubice-Rybitvi. (Present address: Eastern Bohemian Chemical Works Synthesia (Vychodoceske chemicke zavody Synthesia), Lucebni Kolin works)

WURST, Milan

Gas chromatography. Pt.1: Method of quantitative analysis. Chem listy 57 no.2:113-129 F '63.

1. Vychodoceske chemicke zavody Synthesia n.p., zavod Lucebni, Kolin.

WURST, Milan Gas chromatography. Pt. 2. Chem listy 57 no.6:615-628 Je 163. 1. Vychodoceske chemicke zavody Synthesia, zavod Lucebni, Kolin.



KELEN, Anna; PAPP, Zoltan, dr., WURSTER, Istvan

Certain questions of capacity measurement in cotton mills. Magy textil 17 no.4:182-185 Ap '65.

WURTERLE, Anton. dr.; SAS, Mihaly, dr., (Szeged Noi Klinika)

Causes, diagnosis, and therapeutic possibilities of virilism of women. Orv. hetil. 98 no.27:728-733 7 July 57.

1. A Liposei Tudomanyegyetem Szuleszeti es Mogyogyaszati Klinikajanak (igazgato: Robert Schroder dr.) koslemeneye. (ADREMOGENITAL SYMDROMS etiol., differ. diag. & ther. (Hun))

WURTH, M.

WURTH, M. A scientific excursion of Swiss foresters in Croatia. p.325

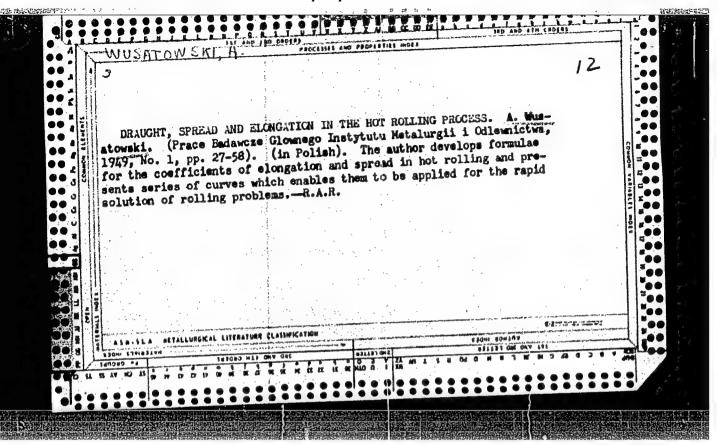
Vol. 80, no. 9/10, Sept./Oct. 1956 BILTEN DOKUMENTACJE ZA POLJOPRIVEDU, SUMARSTVO, DRVNU I DUVANSKU INDUSTRIJU. ACRICULTURE Beograd

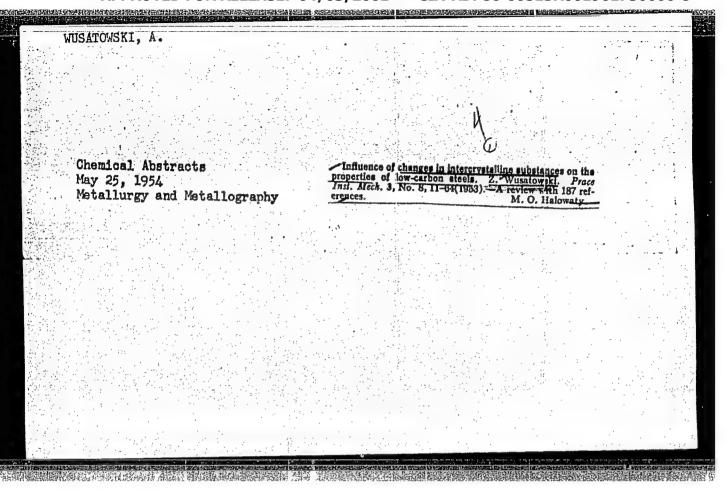
So: East European Accession, Vol.6, no.3, March, 1957

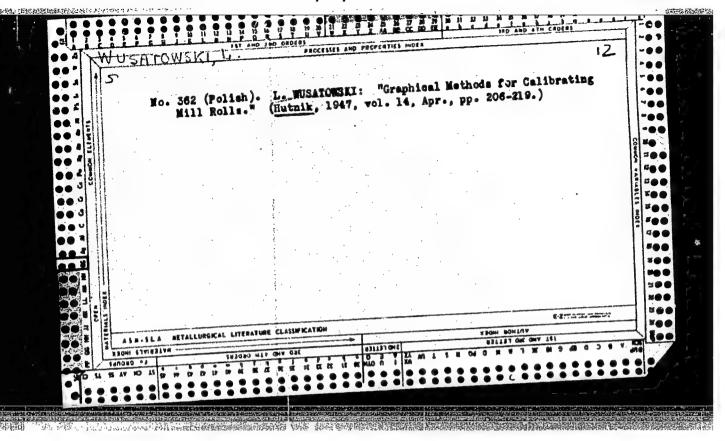
DOLINIA, R.; VUREKI, R.

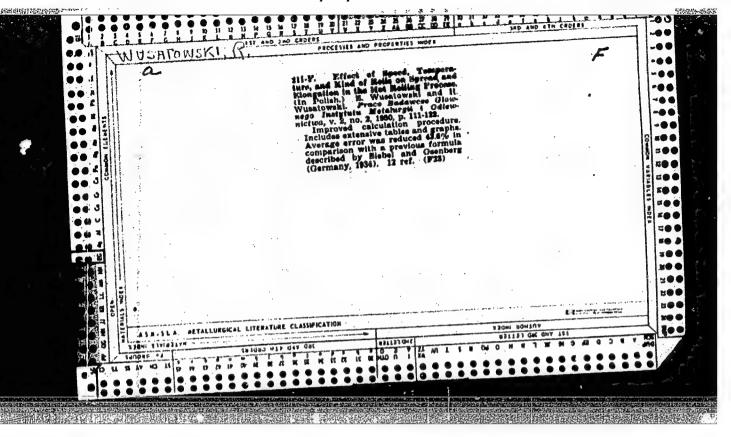
for experiences with investigation of the exerction of 17-extension steroids and 17-ketogenic steroids in children with infectious hepatitis. Fork. pediat. 19 no.11:923-993 N 164

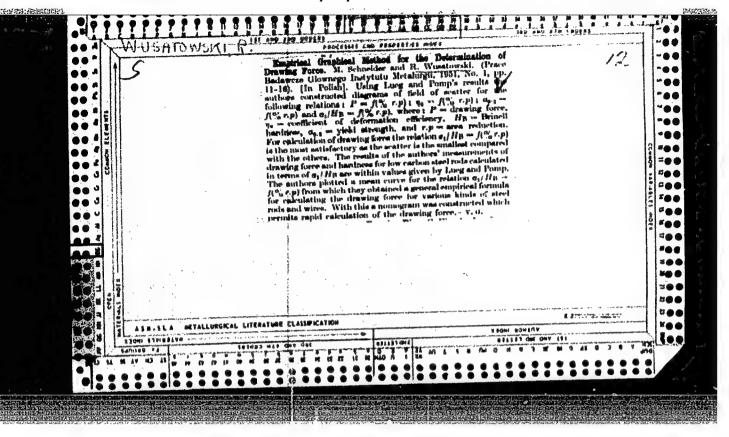
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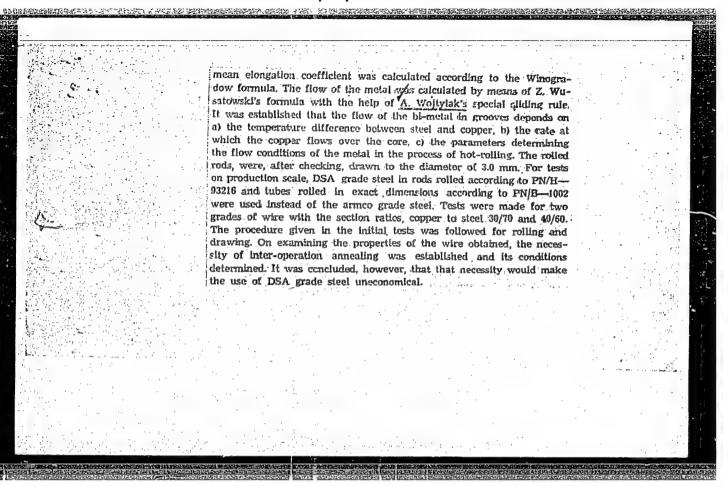


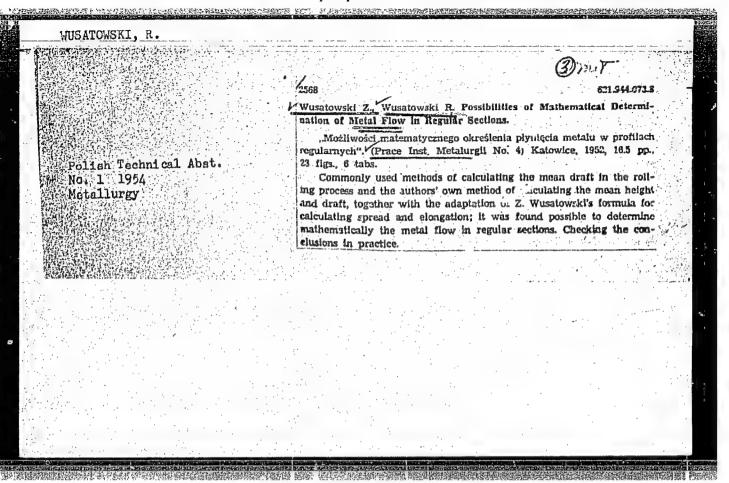


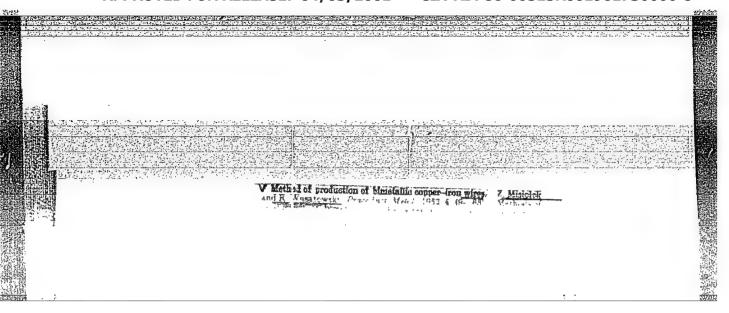


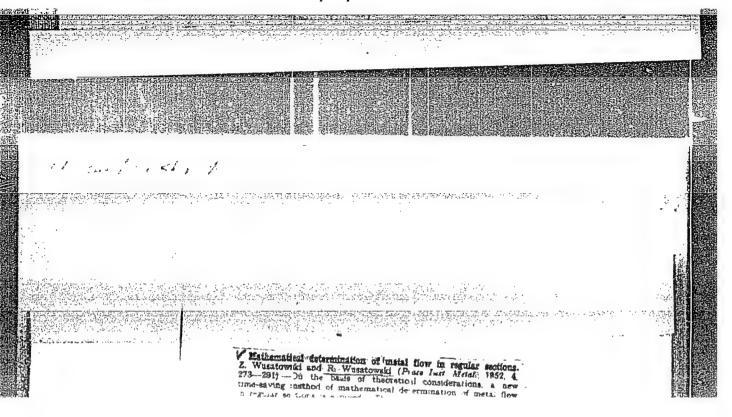


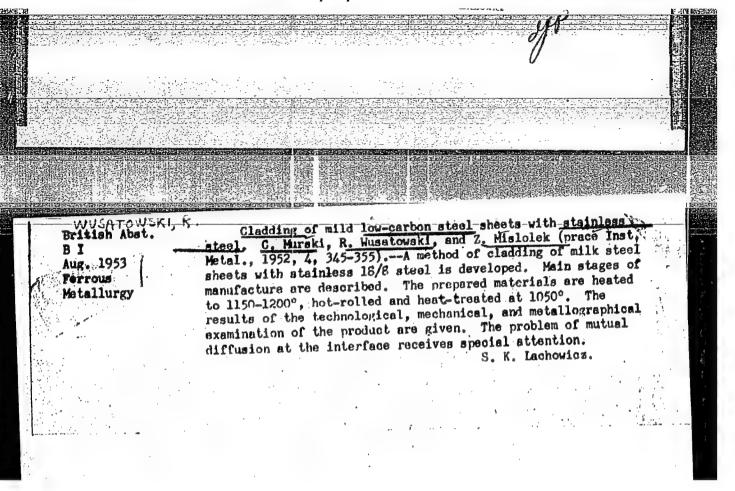
C. C. M. C.	Metode Z., Wusslowski H. 100. Street Conductall Metalowych drutów przewodowych miedź-stał-70 Trace Inst. Metalurzył No. 11, Katowice, 1952, FWT, 155 pp., 15 Ilgs- Of the two principal methods of producing binetallic wires, that Of the two principal methods of producing binetallic wires, that Of the two principal methods of producing binetallic wires, that Of the two principal method of pressing steel cores into rolled corper information as to the method of pressing steel cores into rolled corper thomas are difficulties involved in the first method lead the authors to the conclusion that the method of pressing steel cores into corpor to the conclusion that the method of pressing steel cores into corpor to the conclusion that the method of pressing steel cores into corpor to the conclusion that the method of pressing steel cores into corpor to the conclusion that the determination of the dimensions of the data concerning this method, the authors conducted trials on a serri- data concerning this method, the authors conducted trials on a serri- data concerning this method, the authors conducted trials on a serri- data concerning this method, the authors conducted trials on a serri- data concerning this method, the authors conducted trials on a serri- data concerning this method, the authors conducted trials on a serri- data concerning this method, the authors of the dimensions of the section surface. Electrolytic copper 99.8% Cu, deoxidized will (25.59) re- section surface. Electrolytic copper 99.8% Cu, deoxidized will the was used for the tubes which were called on the the two metals heal- to an appropriate dameter, and etched into them the theorem to be and pressing and in order to obtain better adhesion of the two metals heal- were degressed, etched and coppered from the dimension of the bone colled and coppered by rolling soft steel billets, and the min. The conditions of rolling were established experimentally, the min. The conditions of rolling were established experimentally, the	
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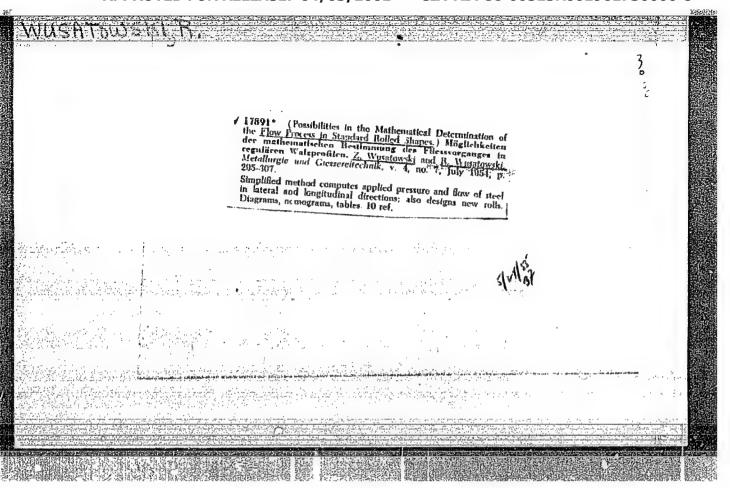


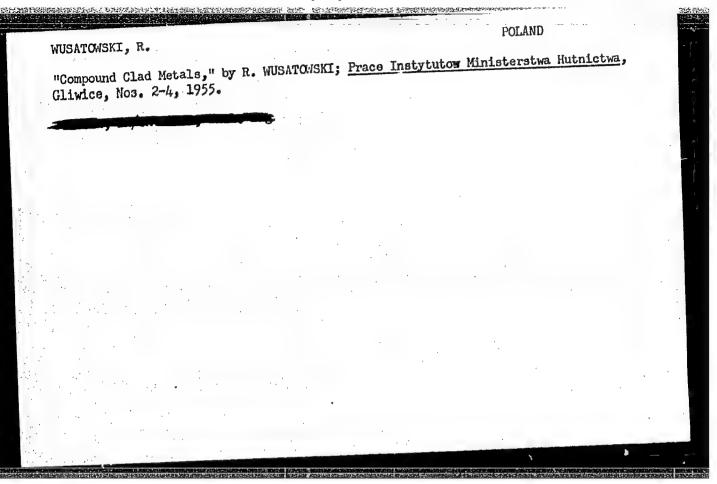


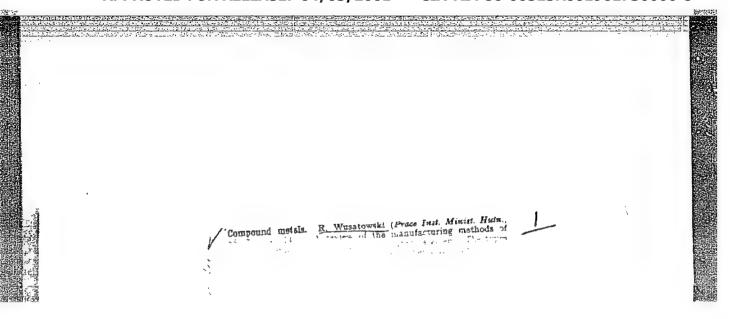


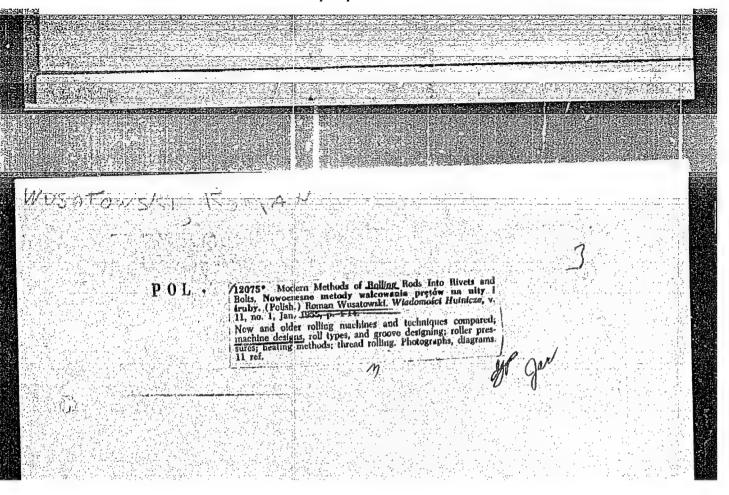


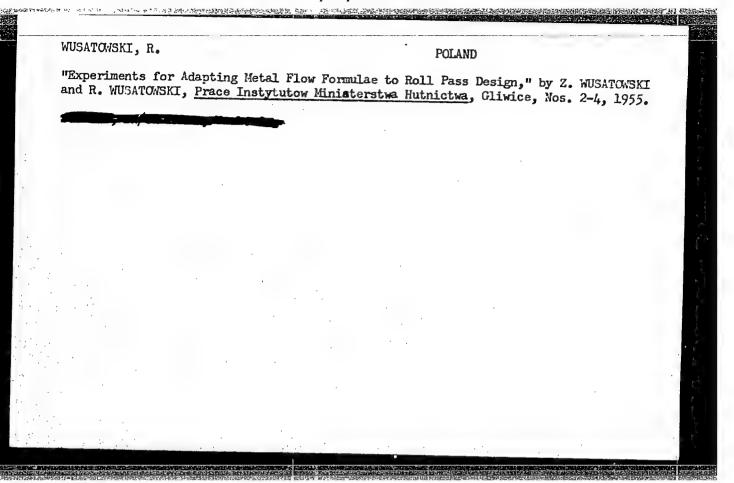


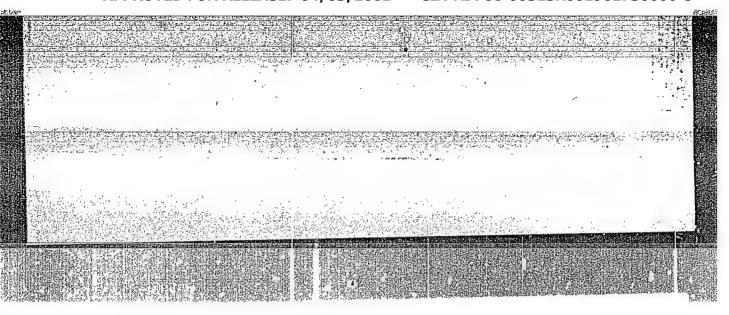












P/039/61/000/003/002/002 A221/A126

AUTHORS:

Kieszniewski, Jan, Master, Kuś, Lesław, Siewierski, Jerzy, and Wusa-

towski, Roman, Masters of Engineering

TITLE:

Radio-isotopic investigation of drawing die attrition, depending on

lubrication and drawing rate

PERIODICAL: Hutnik, no. 3, 1961, 91 - 106

In this report the authors describe their investigations, made to establish optimum conditions at which the attrition of drawing dies can be reduced and also to establish the best combination of base coating material and lubricants applied at wire drawing. To measure the attrition of drawing dies, they used irradiated holes through which the wire was drawn. Samples of drawn wire were subsequently examined for their radioactivity, caused by a number of radioactive particles torn off the die hole and adhering to the wire. Test drawing was carried out at 1.5, 2.0 and 2.5 m/sec rate, using 5.5 mm thick wire rods in 5 mm drawing die, 4.1 mm wire rod in 3.5 mm drawing die and 2.3 mm wire rod in 2 mm drawing die. Chemical composition of wire rods used for these experiments was the

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Radio-isotopic investigation of drawing die attrition... A221/A126

following:							
			Alloying constituents %				
Type of steel	С	Mn	Si	Р	S	Ni	
Low carbon steel D45A D85A	0.08 0.46 0.86	0.27 0.52 0.55	0.06 0.17 0.18	0.035	0.031 0.023 0.021	0.02	

For each variant of experiments, 3 coils of about 600 m of wire each were used. For establishing the degree of radioactivity of the drawn wire, 1.3 m long sample pieces were cut out from it, at the beginning at every 4.5 m, then at every 20 m and finally at every 30 m. From these 1.3 m long samples, shorter pieces were cut out and placed in 43 x 45 mm aluminum frames to be examined for radioactivity by 2 Geiger-Miller counters simultaneously, from the top and from the bottom. The attrition of the drawnole equals about 0.08 g/ton of the drawn wire and, therefore, for a 5 mm wire it will be 1.2×10^{-5} g/m; assuming that the shortest piece of a sample is 0:2 m, the attrition of the drawhole along this piece will be 2.4 x 10⁻⁶ g. Therefore the maximum specific radioactivity of drawhole would be $s = \frac{3 \times 10^{-4}}{120} \approx 120 \, \mu\text{C/g}$: similarly, the radioactivity of the largest - ≥ 120 µC/g; similarly, the radioactivity of the largest draw-2.2 x 10⁻⁶ g Card 2/3

Radio-isotopic investigation of drawing die attrition... P/039/61/000/003/002/002

hole weighing 196 g, would be S = 120 μ C/g x 196 g = 23,000 μ C = 23.5 mC. Apart from measuring the attrition of drawholes, samples of wire were examined for their mechanical and plastic properties before and after drawing; about 650 tests were carried out. During the series of investigations, about 2,000 measurements of radioactivity on 38,000 wire samples were made; the total length of all samples was 900 m. The majority of collected information confirmed, in general, the conclusions drawn by some foreign investigators, that the right combination of lubricants and increased rate of drawing, improves the quality of the products. The authors arrived at the following conclusions: a) Increased drawing rate of up to 2.5 m/sec for production of wire from carbon steel is appropriate and from the economical and technological point of view justified, because at these speeds there is no appreciable increase of die attrition. b) When drawing wires from low-carbon steel, lime coating and soap powder can be used as lubricant. c) For drawing wires from higher carbon steels phosphatic coating is advisable, because it reduces considerably the friction wear of draw dies, as compared with lime coating. d) For drawing wires of larger diameters and lime coating, FDG lubricant should be used. There are 11 tables, 11 figures, 3 photos and 5 references: 3 Soviet-bloc and 2 non-Soviet-bloc.

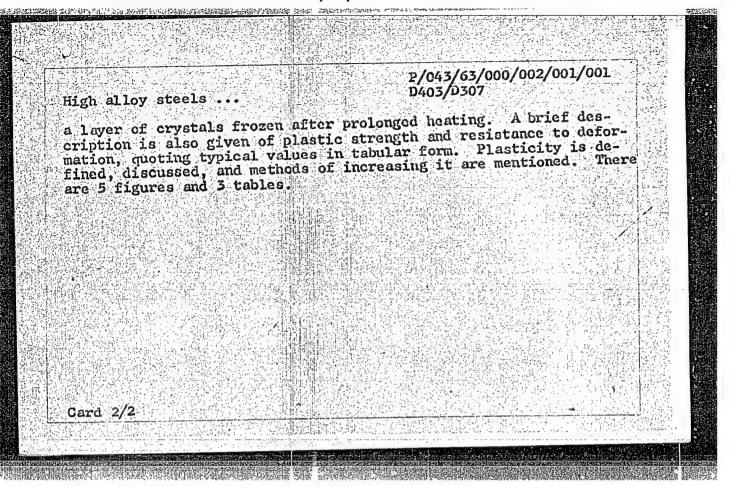
Card 3/3

P/043/63/000/002/001/001 D403/D307 Wusatowski, Roman, Master of Engineering AUTHOR: High alloy steels for the production of tubes TITLE: Wiadomości Hutnicze, no. 2, 1963, 41-47 PERIODICAL: A popular review article giving a general account of: 1) chrome steels, 2) chrome-nickel steels, and 3) high alloy steels. The chemical compositions of steels 2H13, H17, H17N2, H26N4, H23N18, H18N9S, H25N2OS2, H18N1OMT and H18N12M2T are tabulated, and diagrams are given showing the effects of alloying elements on the steel properties. General properties are summarized concluding that a) 2H13, H17 and H17N2 cannot be water-cooled as they suffer from surface cracking owing to the martensitic transformation in a thin layer (with associated volume change) owing to low thermal conductivity which increases with temperature; b) steels with low thermal conductivity which increases with temperature; thermal conductance and large expansion should be heated slowly to

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avoid cracking; c) if steels as under b) also have a tendency to-wards trans-crystallization, they should be deformed together with

Card 1/2



P/043/63/000/003/001/002 D001/D101

AUTHOR: Wusatowski, Roman, Master of Engineering

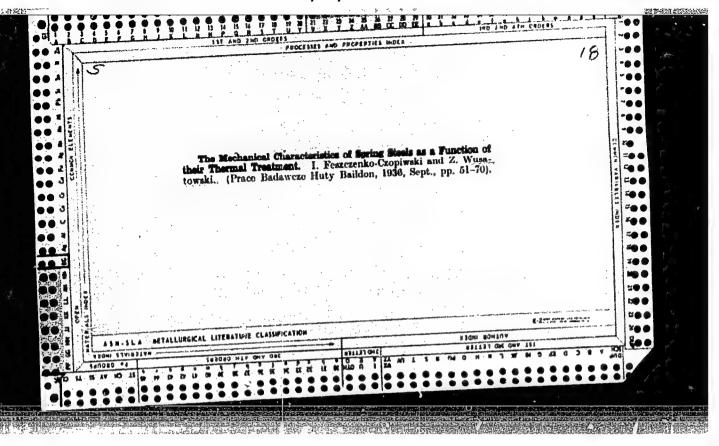
TITLE: Production of tubes from high alloy steels

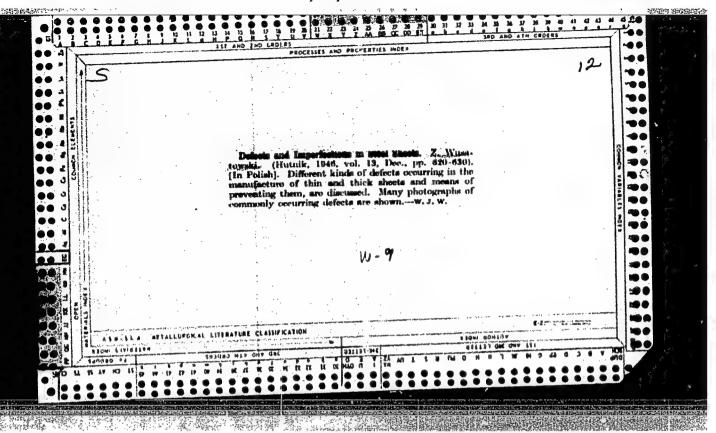
PERIODICAL: Wiadomości hutnicze, 70-0. 3, 1963, 70-72

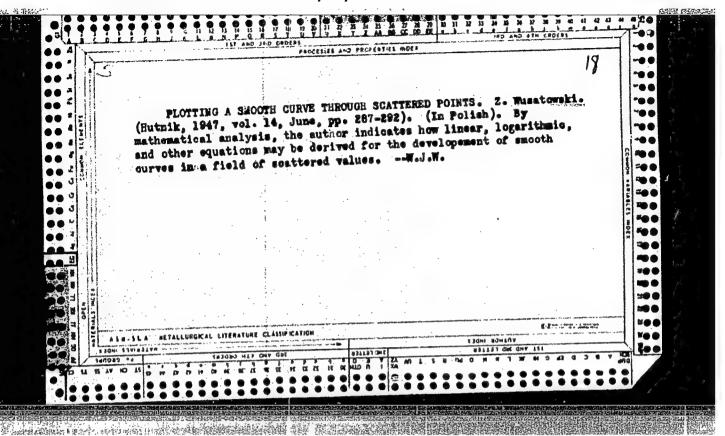
TEXT: This is the continuation of an article printed in the no. 2, 1963 issue of same periodical and constitutes a brief outline of methods applicable in tube production from high alloy steels. Individual chapters applicable in tube production from high alloy steels. Individual chapters touch on preliminary treatment of blanks, heating, rolling, cooling, intertouch on preliminary treatment, scale removal, lubrication and cold working, operational thermal treatment, scale removal, lubrication and cold working, finishing, and final tests. The blanks for such tubes must be either finishing, and final tests. The blanks for such tubes must be either finishing, and final tests. The blanks for such tubes must be either form 1,050-1,100°C if made from austenitic steel, machining, and rolling on an elongator, piercing mill or pilger mill. In the pilger process, the mandrels must be carefully prepared and coated with MoS₂ or graphite. Steels of the 2H13, H17N2 and H17N4 types require slow cooling upon rolling, in order to prevent martensitic transition and cracking. The tubes have

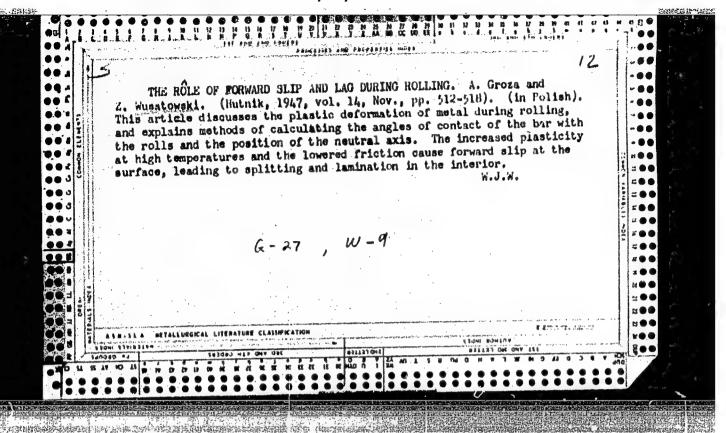
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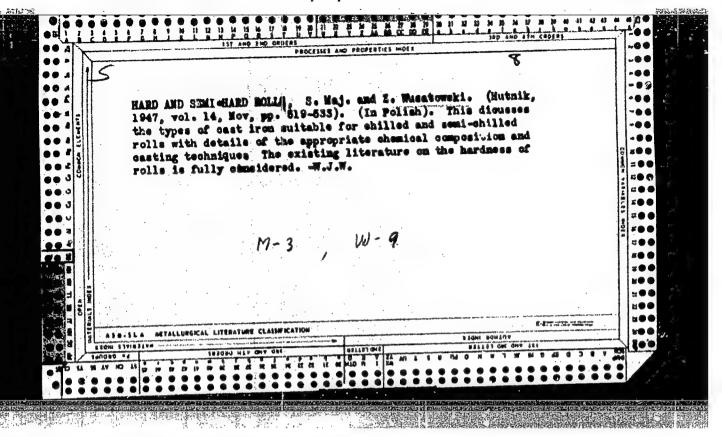
Production of tubes from . . . To be quickly cooled to 680-450°C, placed for 1-1½ hours in a furnace at the feature of the further cooled at ambient temperature. Tubes thus treated for further cold working. Tubes from HI7 and have the optimum structure for further cold working. Tubes from HI7 and HI7

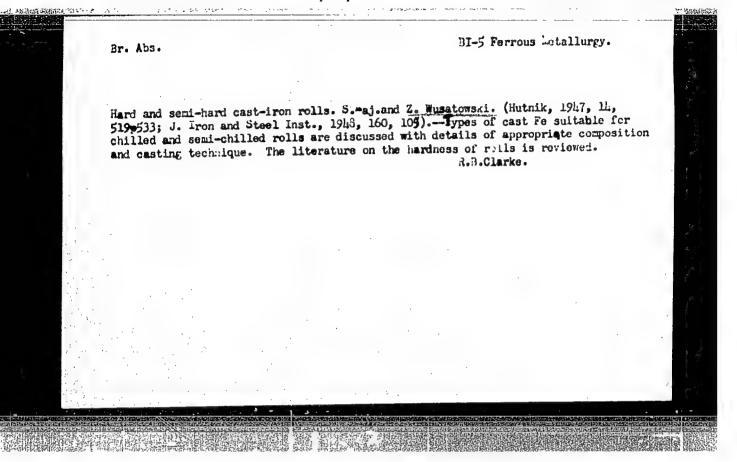


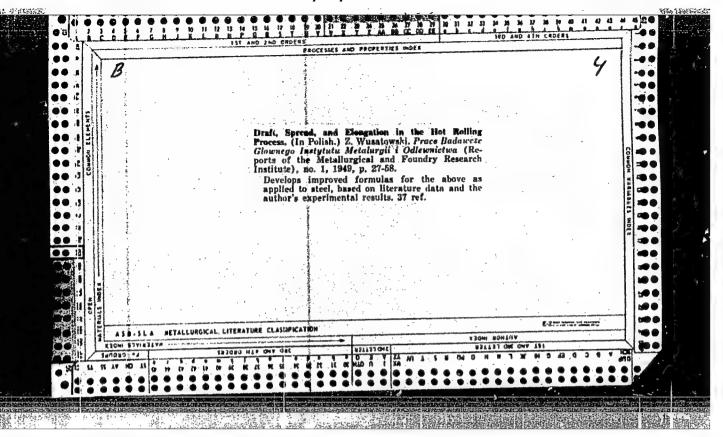












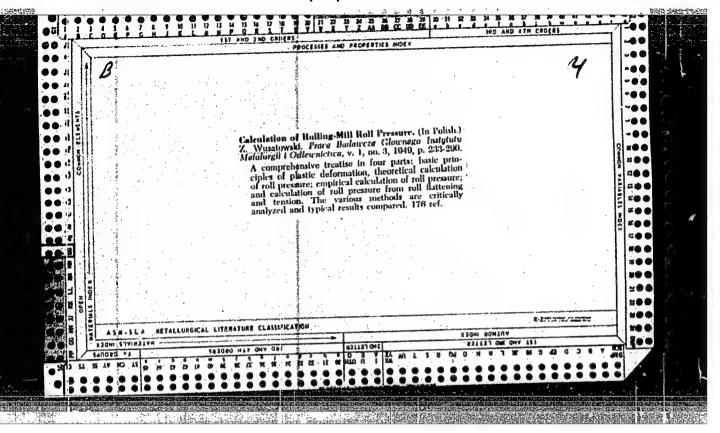
WUSATOWSKI, Z.

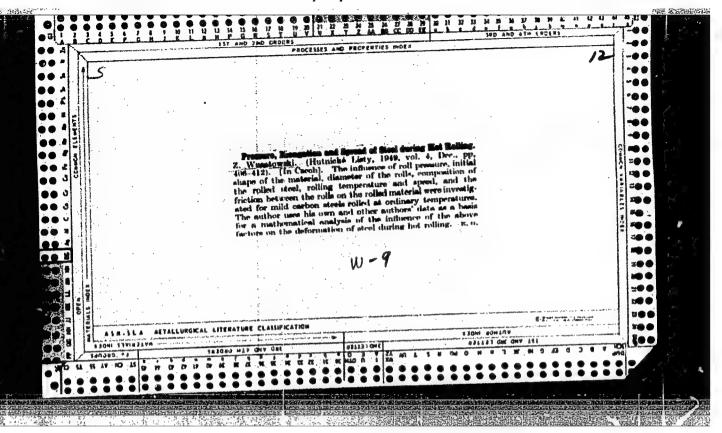
Wusatowski Z., Dr.

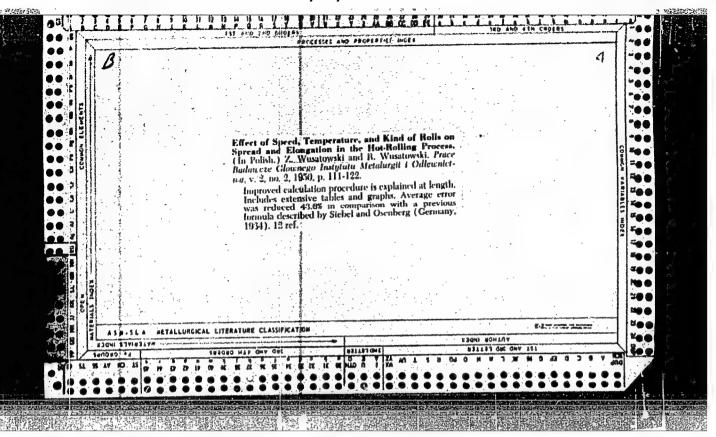
Wusatowski Z., Dr. Eng. "The Care of Rolls in Rolling-Mills." (Sposob racjonalnego obchodzenia sie z walcami na walcowniach). <u>Hutnik</u>, No. 1-2, 1949, pp. 30-34, 6 figs.

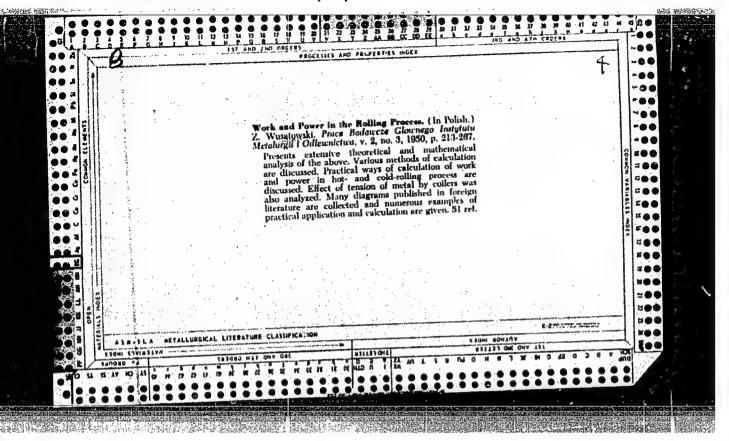
The author considers the preventive and precautionary measures to be adopted during the operation, interruption, replacement and storage of rolls in rolling-mills. Particular attention is devoted to the cooling, or alternatively to the heating, as the case may be, of the rolls, and to tomperature control, in order to avoid minor cracks. Emphasis is laid on the advantages of induction heaters and on the design of the Lukov and the Kharkov Elektroprom heater. Instances are quoted of damage to rolls from various causes.

SO: Polish Technical Abstracts - No. 2, 1951



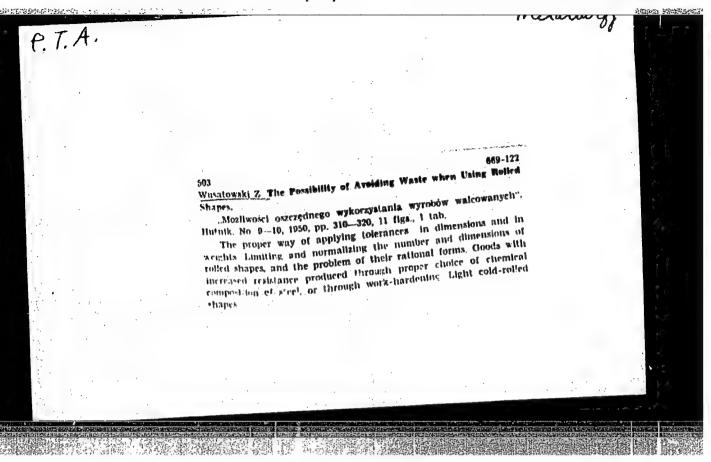






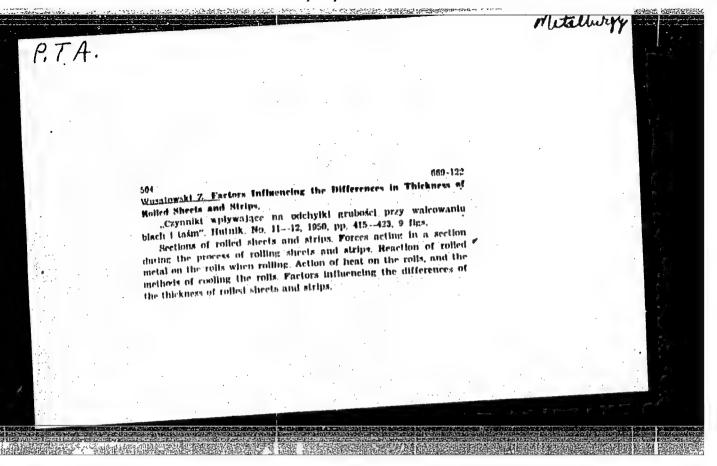
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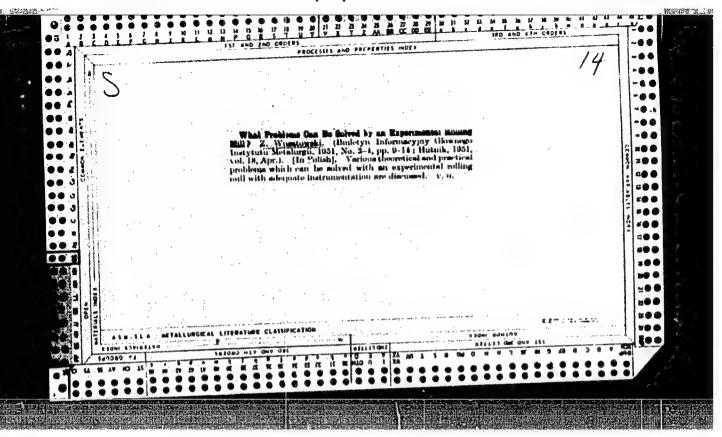
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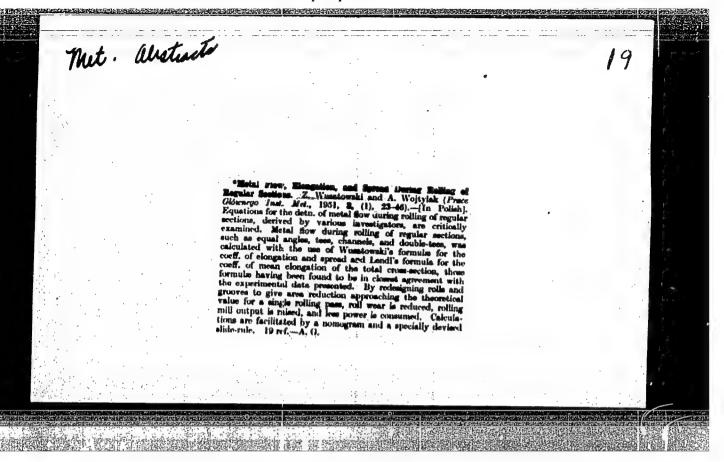


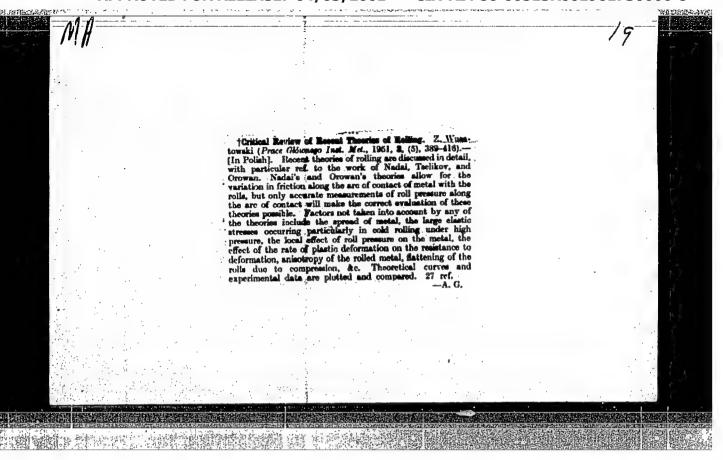
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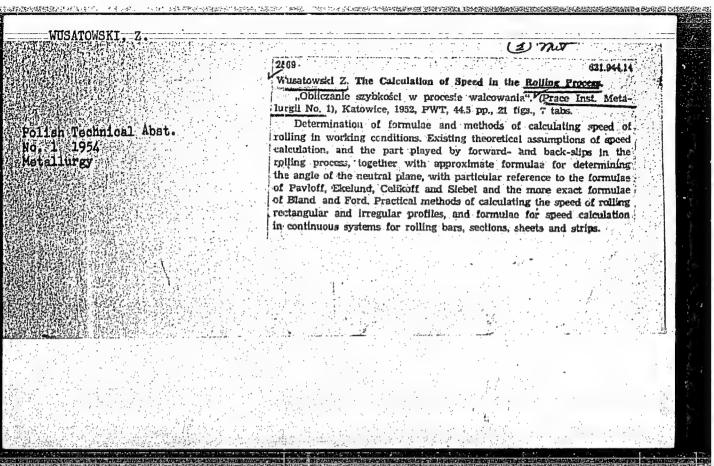
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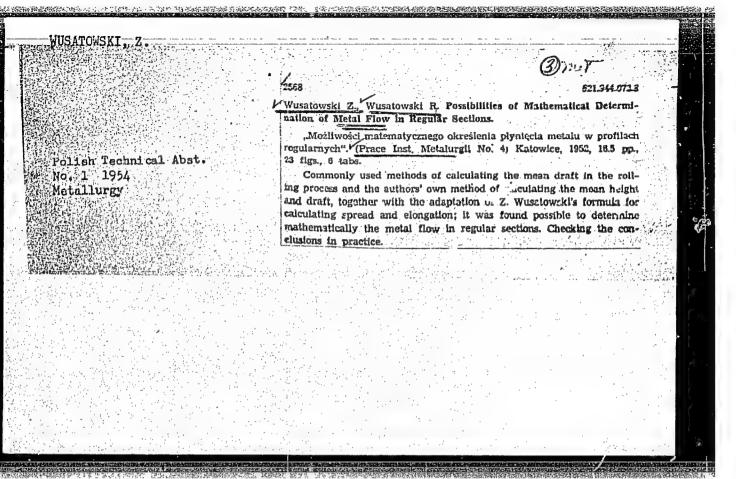








WUSATOWSKI, Z Analysis of Meial Flow in Irregular and Polish Technical Abstract Asymmetric Sections No. 4, 1953 "Analiza p'yniecia metalu w ksztaltownikach nieregularnych i nie-Motallurgy symetrycznych". (Prace Inst. Metalurgii No. 2), Katowice, 1952, PWI, 10.5 pp., 7 figs., 3 tabs. In order to develop a method of controlling the suitability of the roll pass design for irregular and asymmetric sections, the authors examined Lendi's formula of coefficient of mean elongation of a total cross-section containing various elements, and the Wusatawaki's formula of the coefficient of free elongation and spread. Checking calculations were made for light and heavy standard gauge rults, for a tramway rad and for a tio plate. The calculations given indicate that the method used for analysis of the metal flow applied for regular sections, is ruitable also for irregular and asymmetric sections. Errors of calculation in relation to real values are found, to be within the limits of a few percent.



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	Analysis of metal flow in irregular and Wusatowski, and A. Wojtylak (Prace Ins. 108). Roll pass designs are computed standard gauge rall, for a tram rall, and for	asymetric sections, 7. 1. Metal., 1952, 4, 99— for a light, and heavy, a tic plate. The designs	

